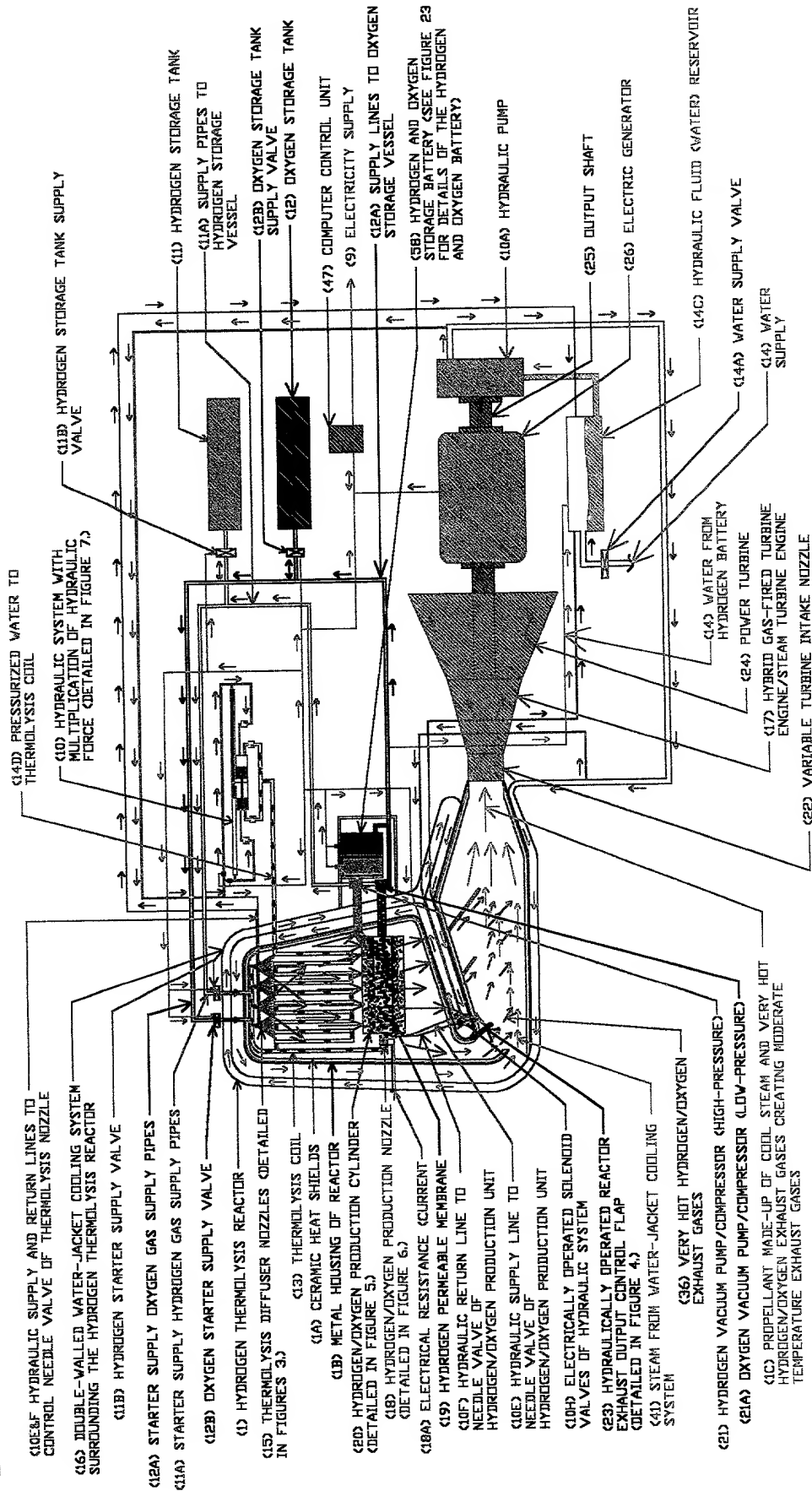
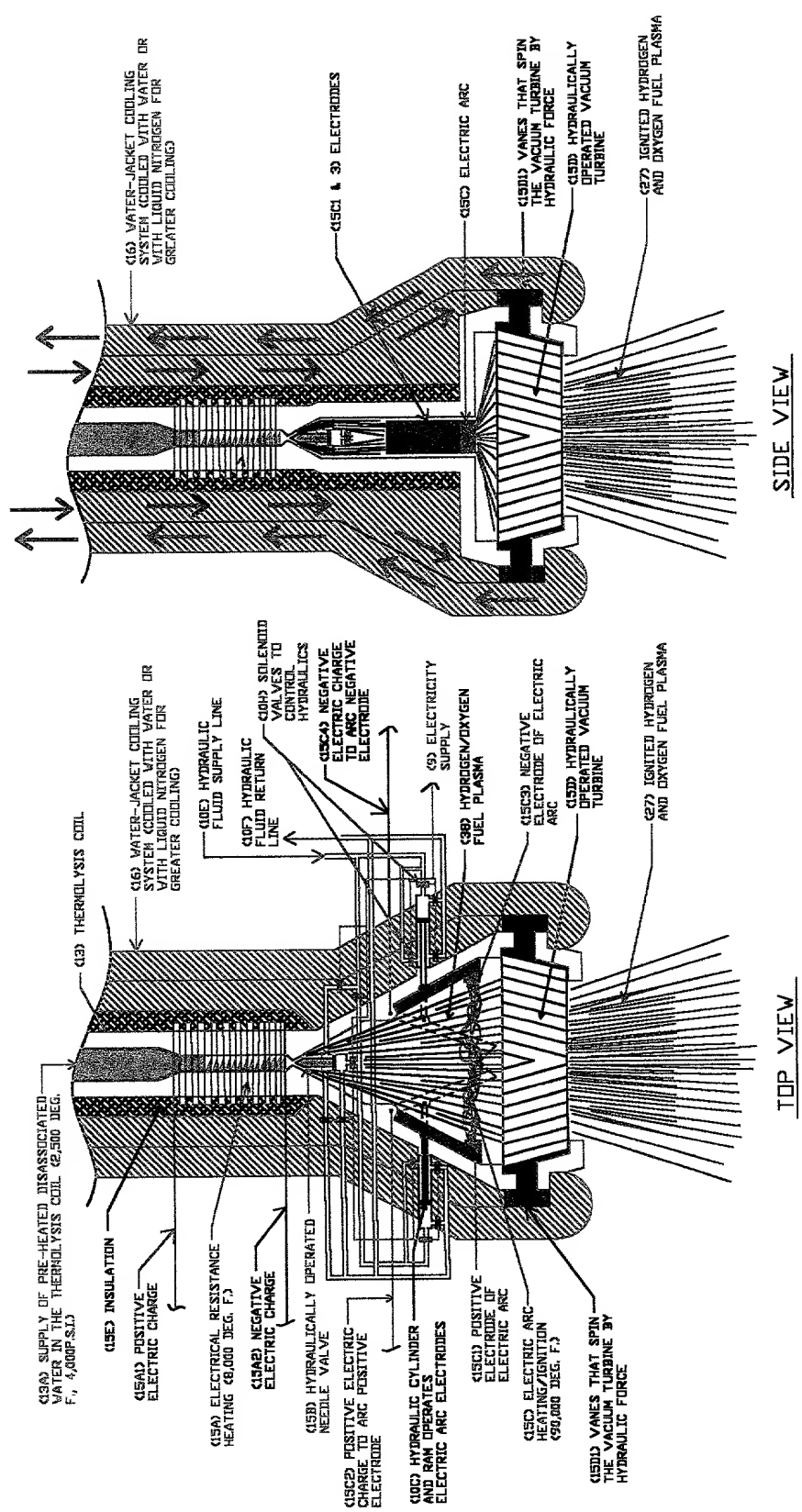


FIGURE 1. HYDROGEN THERMOLYSIS REACTOR AND HYBRID GAS-FIRED TURBINE ENGINE/STEAM TURBINE ENGINE (THE PREFERRED EMBODIMENT OF THE INVENTION)



4130 THERMOLYSIS COIL  
 4131 INSULATION  
 4132 SUPPLY OF PRE-HEATED DISASSOCIATED WATER IN THE THERMOLYSIS COIL (2,500 DEG. F., 4,000 P.S.I.)  
 4133 WATER-JACKET COOLING SYSTEM (COOLED WITH WATER OR WITH LIQUID NITROGEN FOR GREATER COOLING)  
 4134 ELECTRICAL RESISTANCE HEATING (48,000 DEG. F.)  
 4135 POSITIVE ELECTRIC CHARGE  
 4136 NEGATIVE ELECTRIC CHARGE  
 4137 HYDRAULICALLY OPERATED NEEDLE VALVE  
 4138 POSITIVE ELECTRIC CHARGE TO ARC POSITIVE ELECTRODE  
 4139 HYDRAULIC CYLINDER AND RAM OPERATES ELECTRIC ARC ELECTRODES  
 4140 POSITIVE ELECTRODE OF ELECTRIC ARC  
 4141 ELECTRIC ARC HEATING/IGNITION (59,000 DEG. F.)  
 4142 VANES THAT SPIN THE VACUUM TURBINE BY HYDRAULIC FORCE  
 4143 HYDRAULICALLY OPERATED VACUUM TURBINE  
 4144 IGNITED HYDROGEN AND OXYGEN FUEL PLASMA

FIGURE 2. HYDROGEN THERMOLYSIS DIFFUSER NOZZLE USING ELECTRIC CURRENT RESISTANCE HEATING AND AN ELECTRIC ARC TO HEAT/IGNITE HYDROGEN/OXYGEN FUEL PLASMA



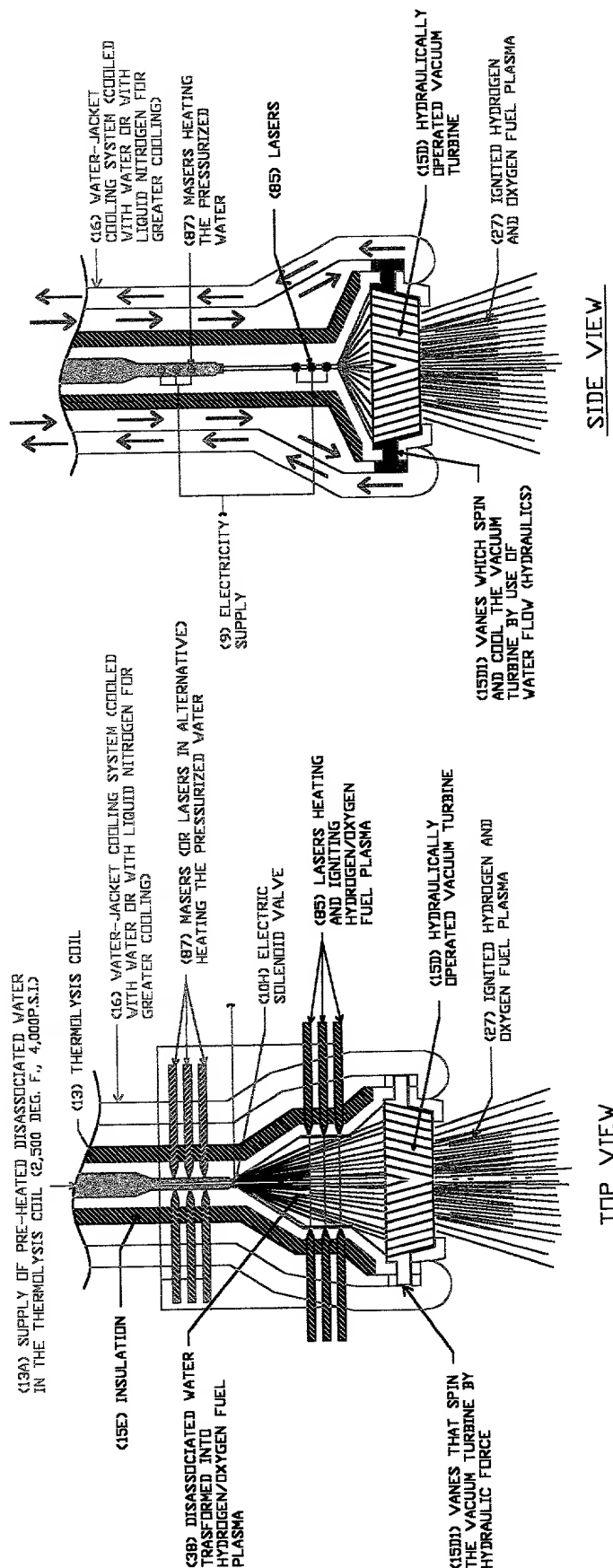






FIGURE 5. DETAIL OF HYDROGEN THERMOLYSIS REACTOR CORE AND HYDROGEN/OXYGEN PRODUCTION CYLINDER

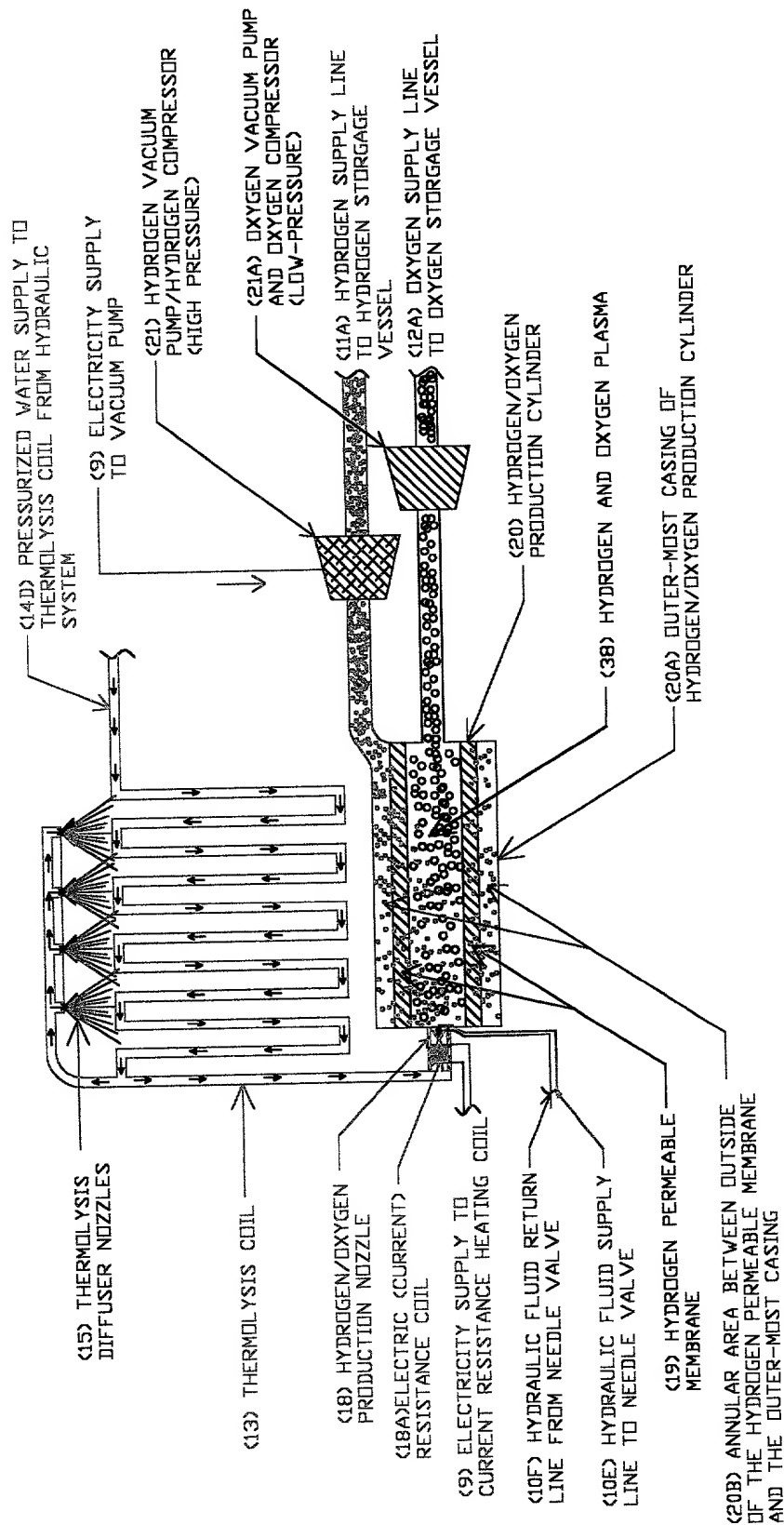




FIGURE 6A. HYDROGEN/OXYGEN PRODUCTION NOZZLE AND HYDROGEN AND OXYGEN PRODUCTION CYLINDER USING MASER AND/OR LASER HEATING

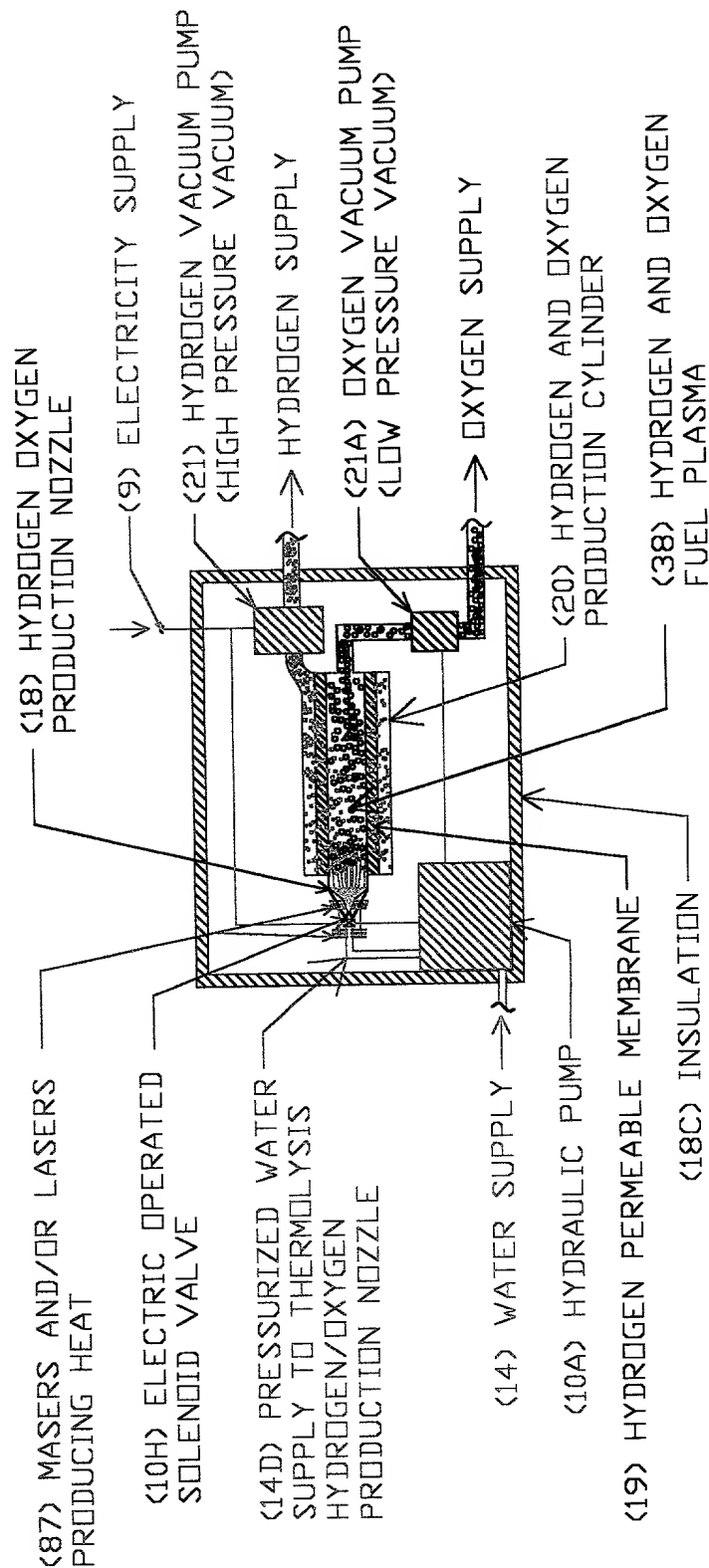




FIGURE 7. DETAIL OF APPARATUS FOR MULTIPLICATION OF HYDRAULIC FORCE

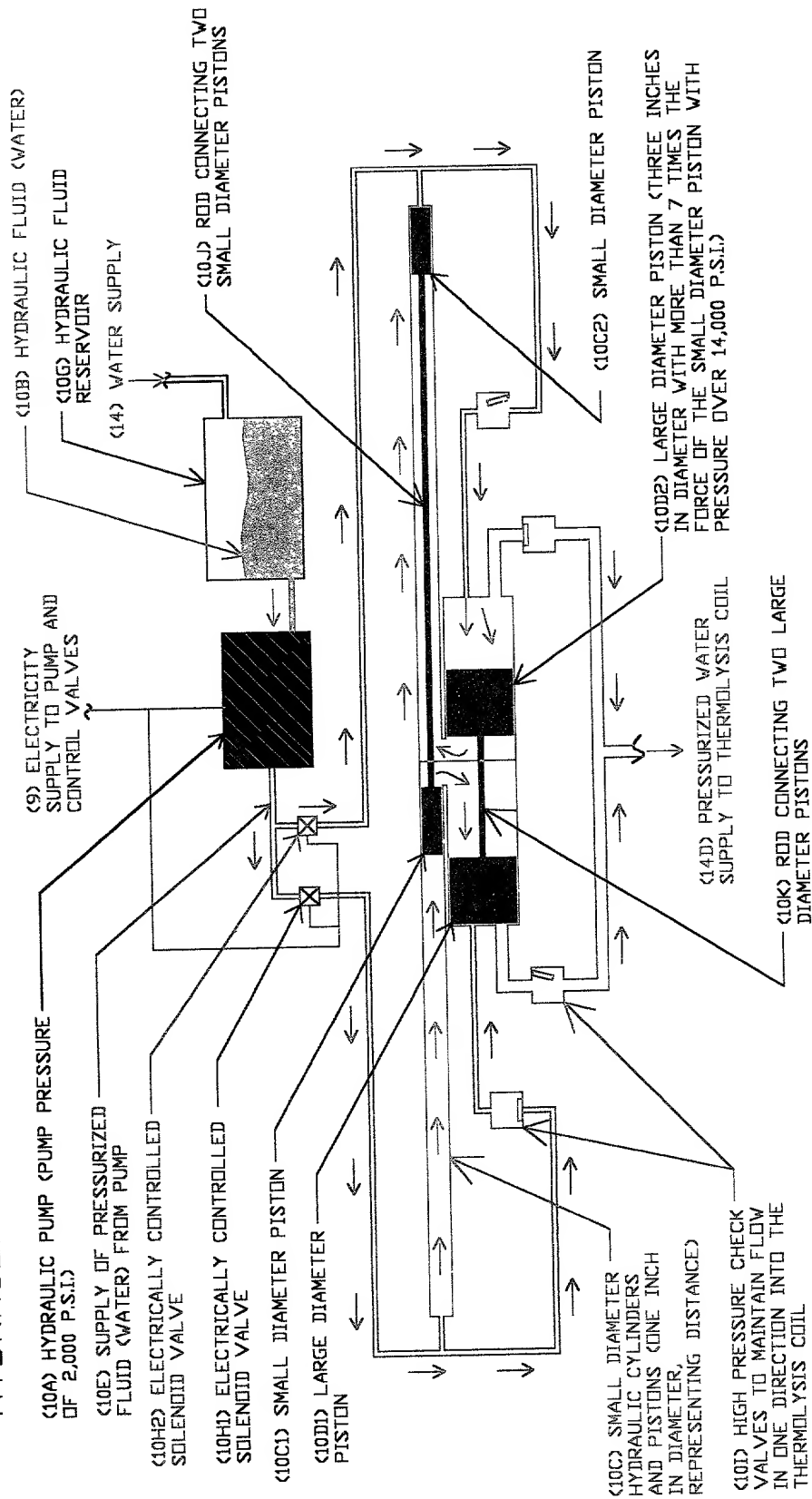


FIGURE 8. TEST UNIT TO PROVE THE  
CONCEPT OF THE INVENTION OF THE  
HYDROGEN THERMOLYSIS REACTOR

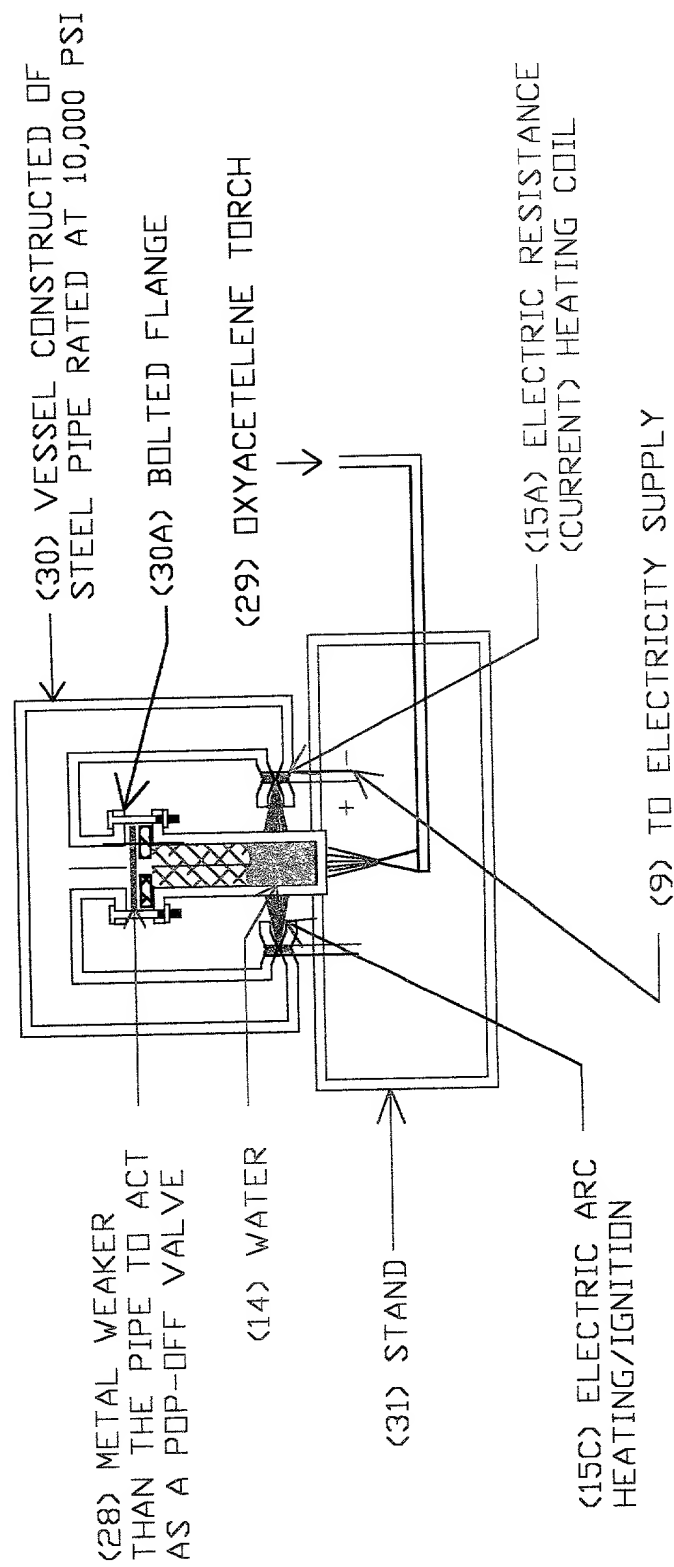
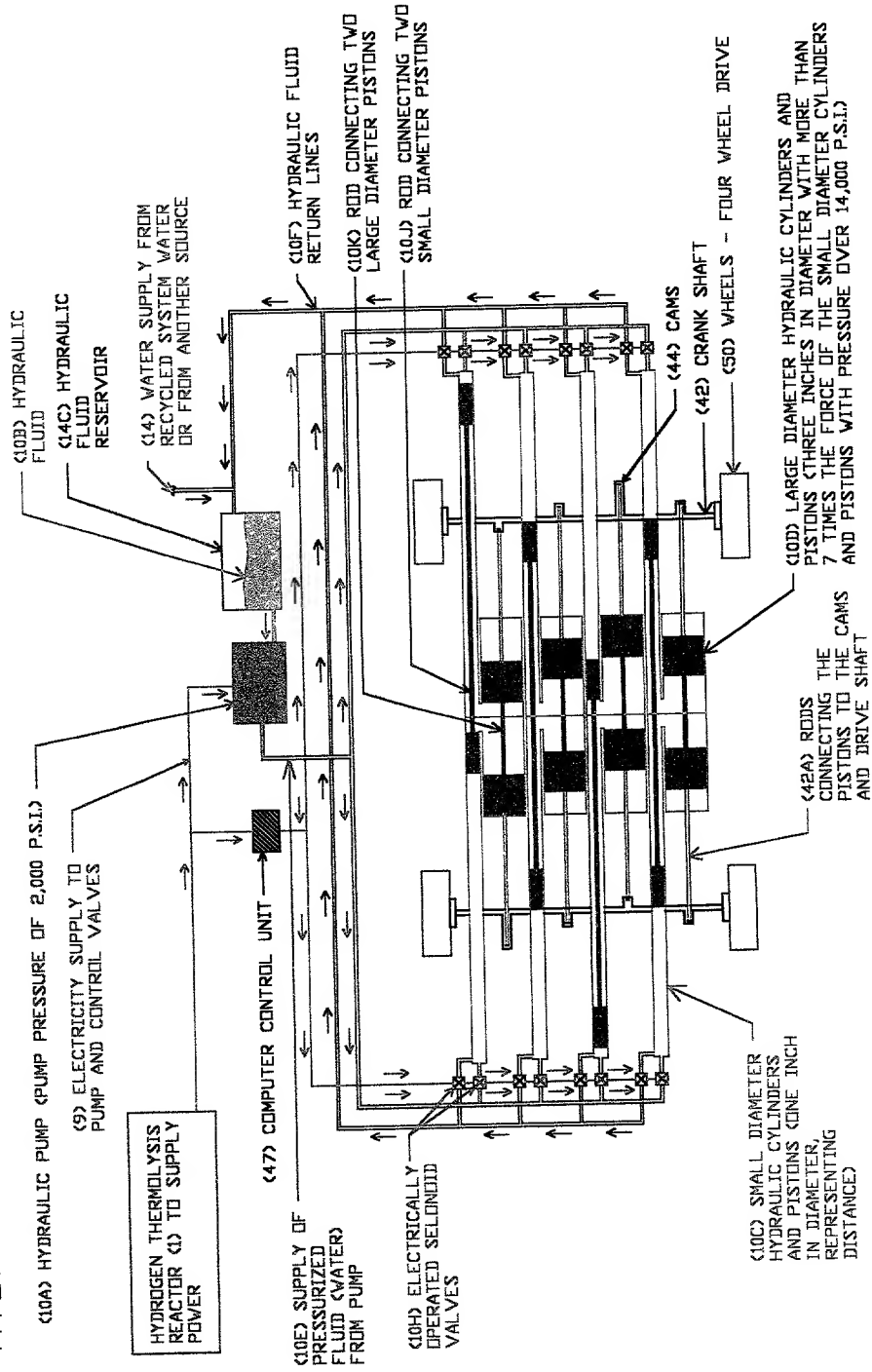


FIGURE 9. PISTON DRIVEN HYDRAULIC ENGINE USING HYDRAULIC MULTIPLICATION TO GENERATE GREATER POWER



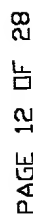




FIGURE 12. HYDROGEN THERMOLYSIS REACTOR COMBUSTION  
ENGINE VEHICLE POWER UNIT

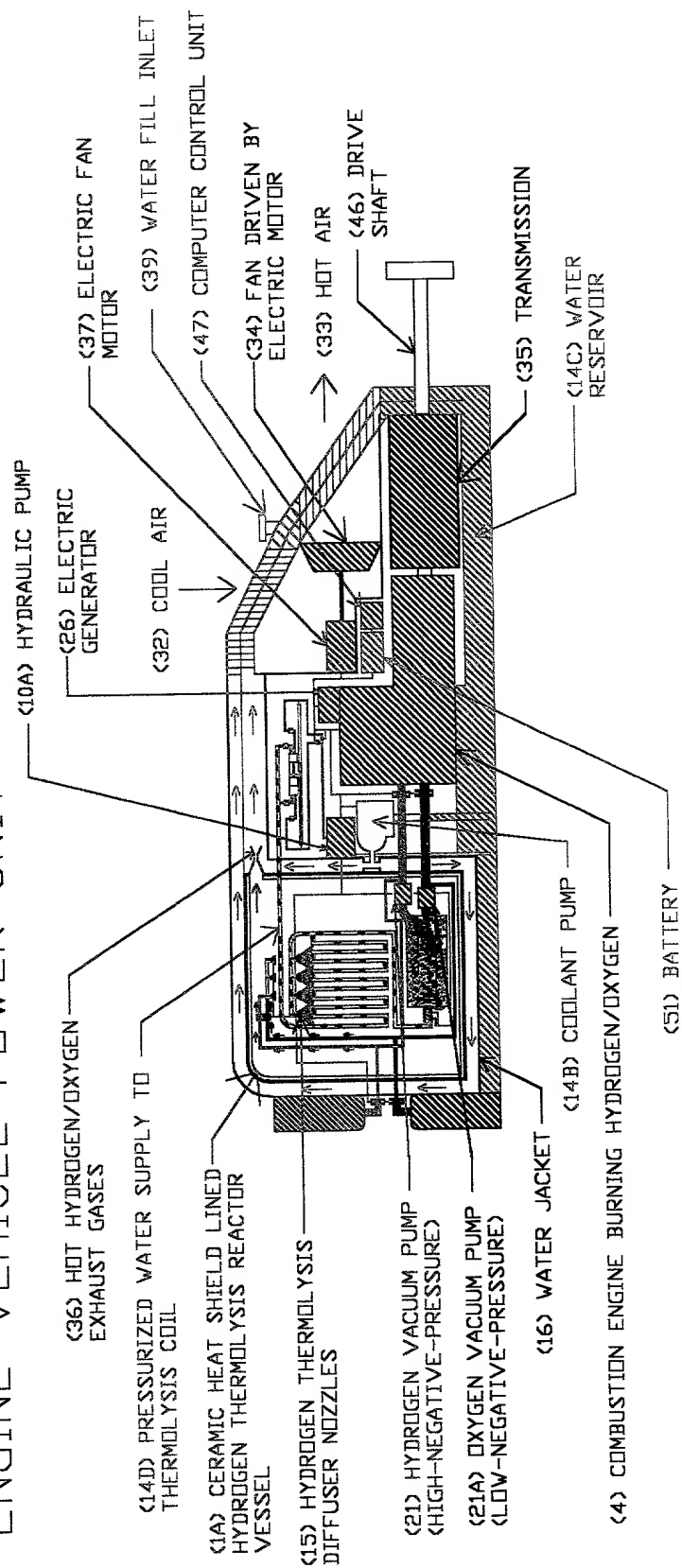
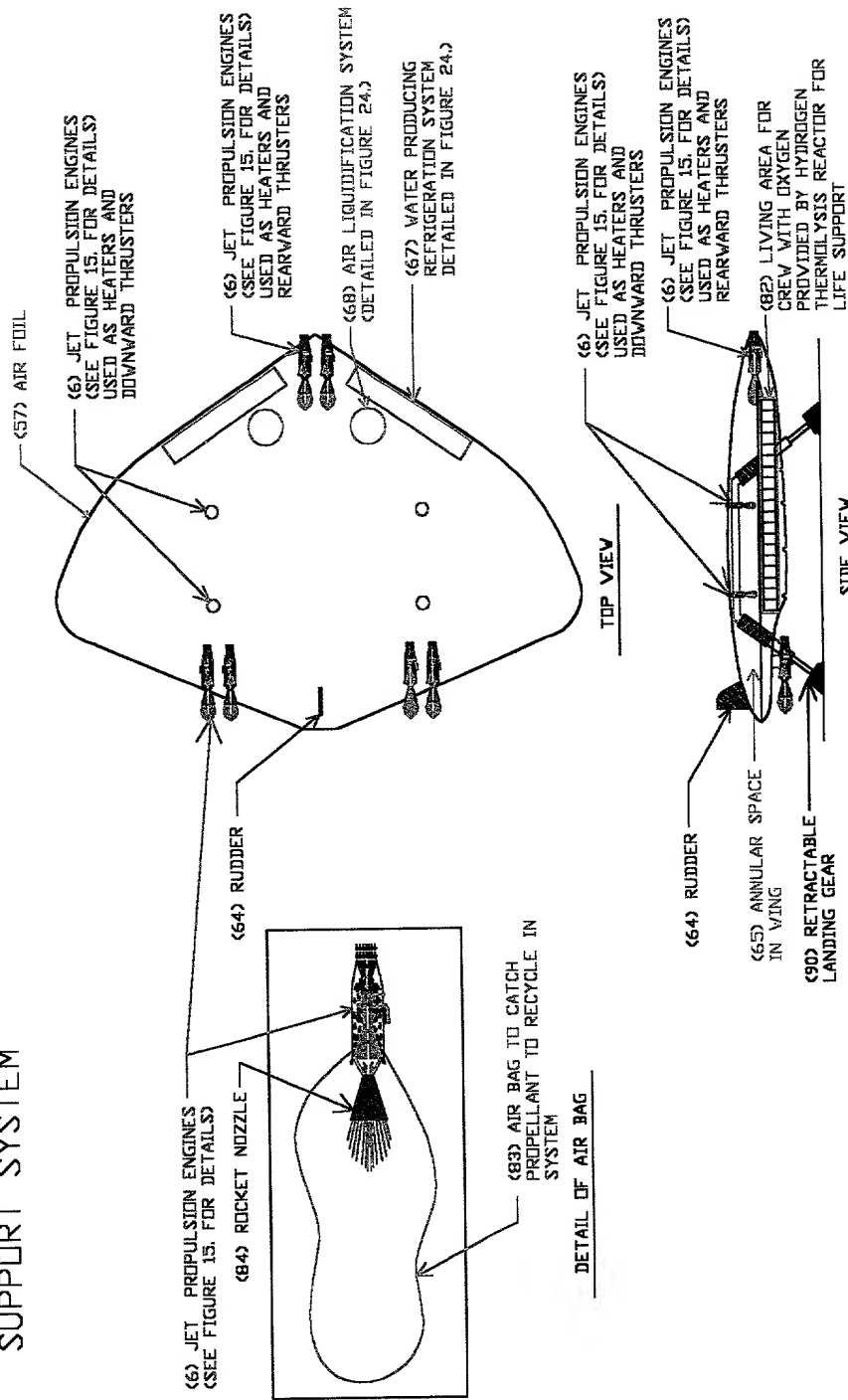


FIGURE 13. HYDROGEN THERMOLYSIS REACTOR POWERED JET  
PROPULSION ENGINE AIRPLANE AND/OR ROCKET SHIP WITH LIFE  
SUPPORT SYSTEM



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FIGURE 14, HYDROGEN THERMOLYSIS REACTOR POWERED BOAT WITH AIR-FOIL HEATERS FOR LIGHTER-THAN-AIR BOAT

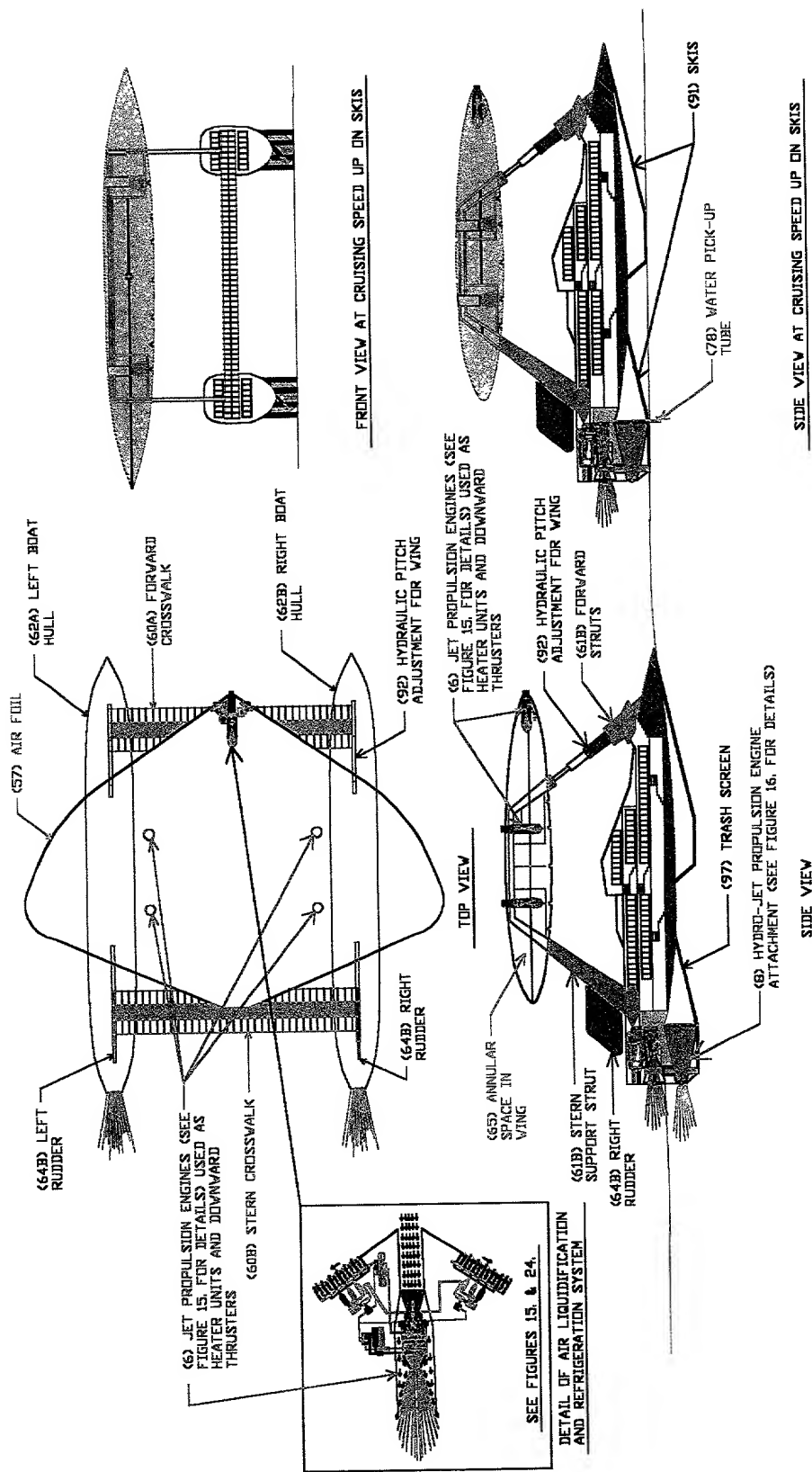
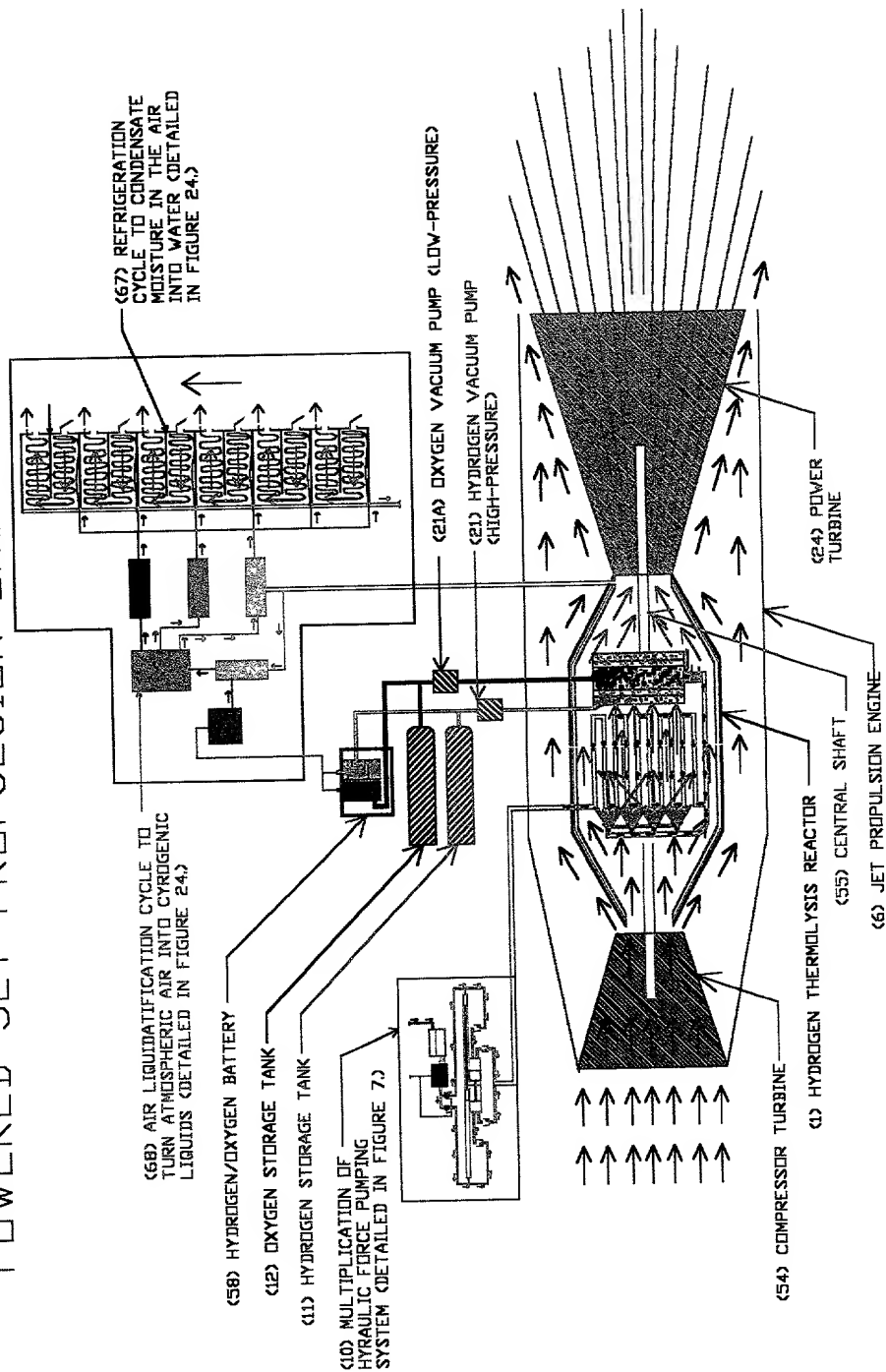




FIGURE 15. HYDROGEN THERMOLYSIS REACTOR  
POWERED JET PROPULSION ENGINE



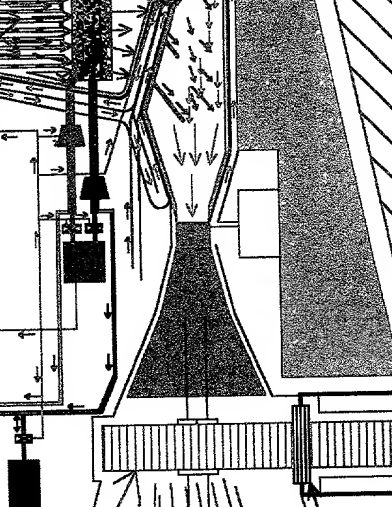
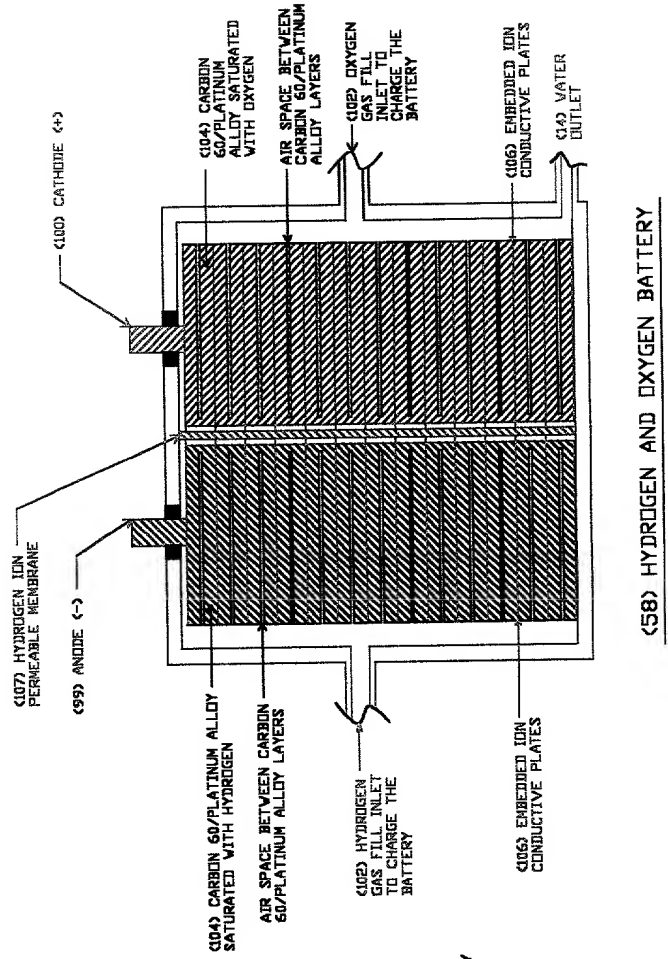
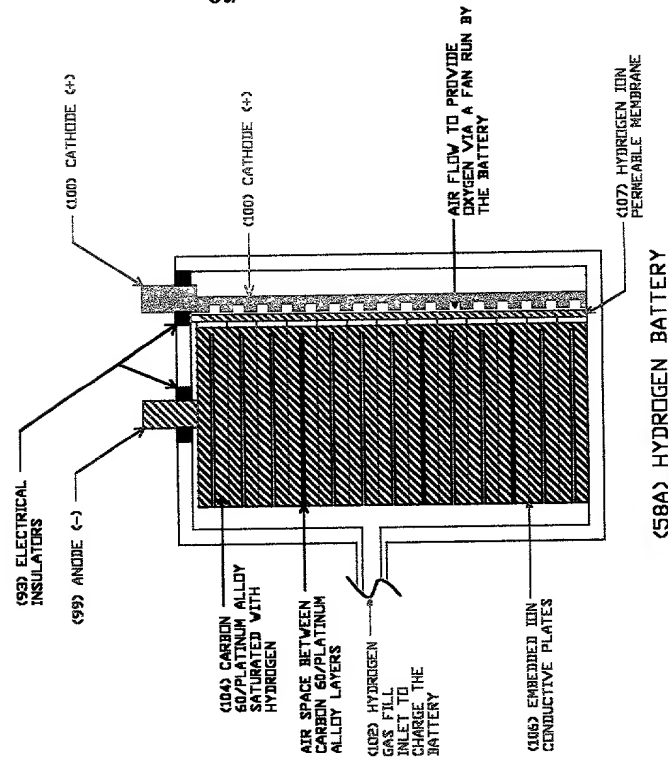


FIGURE 17. HYDROGEN BATTERY AND HYDROGEN/OXYGEN BATTERY



**(1977) TRASH SCREEN**

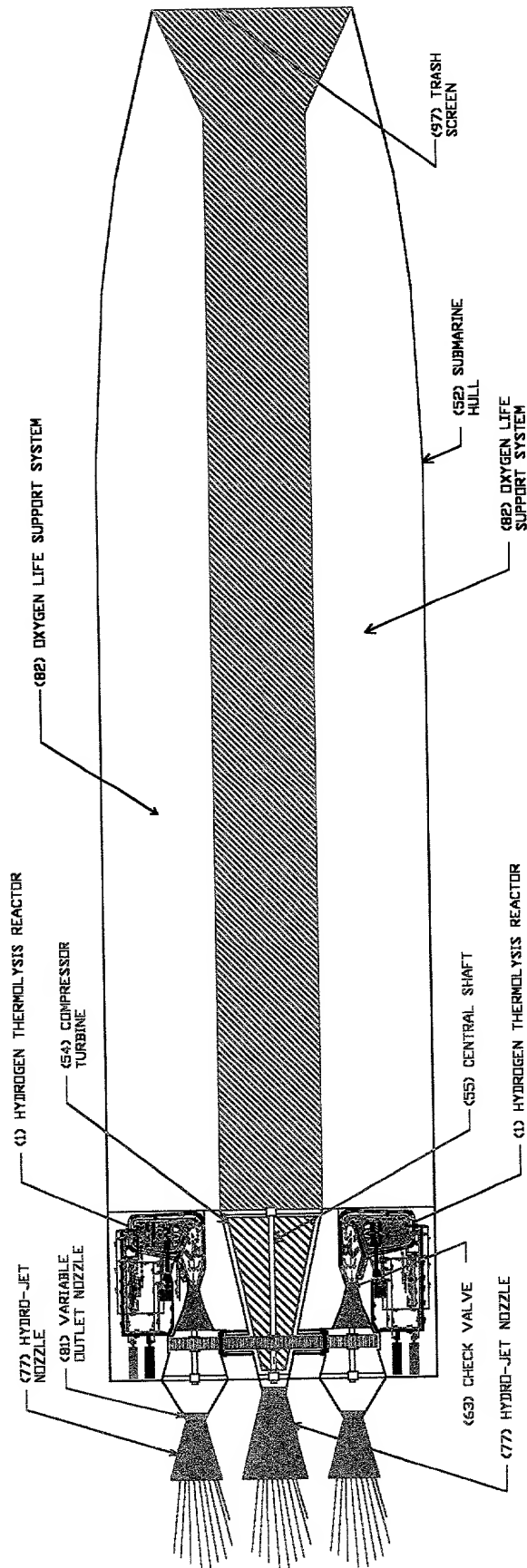


END VIEW



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FIGURE 19. SUBMARINE POWERED BY HYDROGEN  
THERMOLYSIS REACTOR POWERED JET PROPULSION  
ENGINES USING A HYDRO-JET ATTACHMENT



SIDE VIEW

FIGURE 20. DETAIL OF HYDROGEN THERMOLYSIS REACTOR POWERED  
JET PROPULSION ENGINES AND HYDRO-JET ATTACHMENT

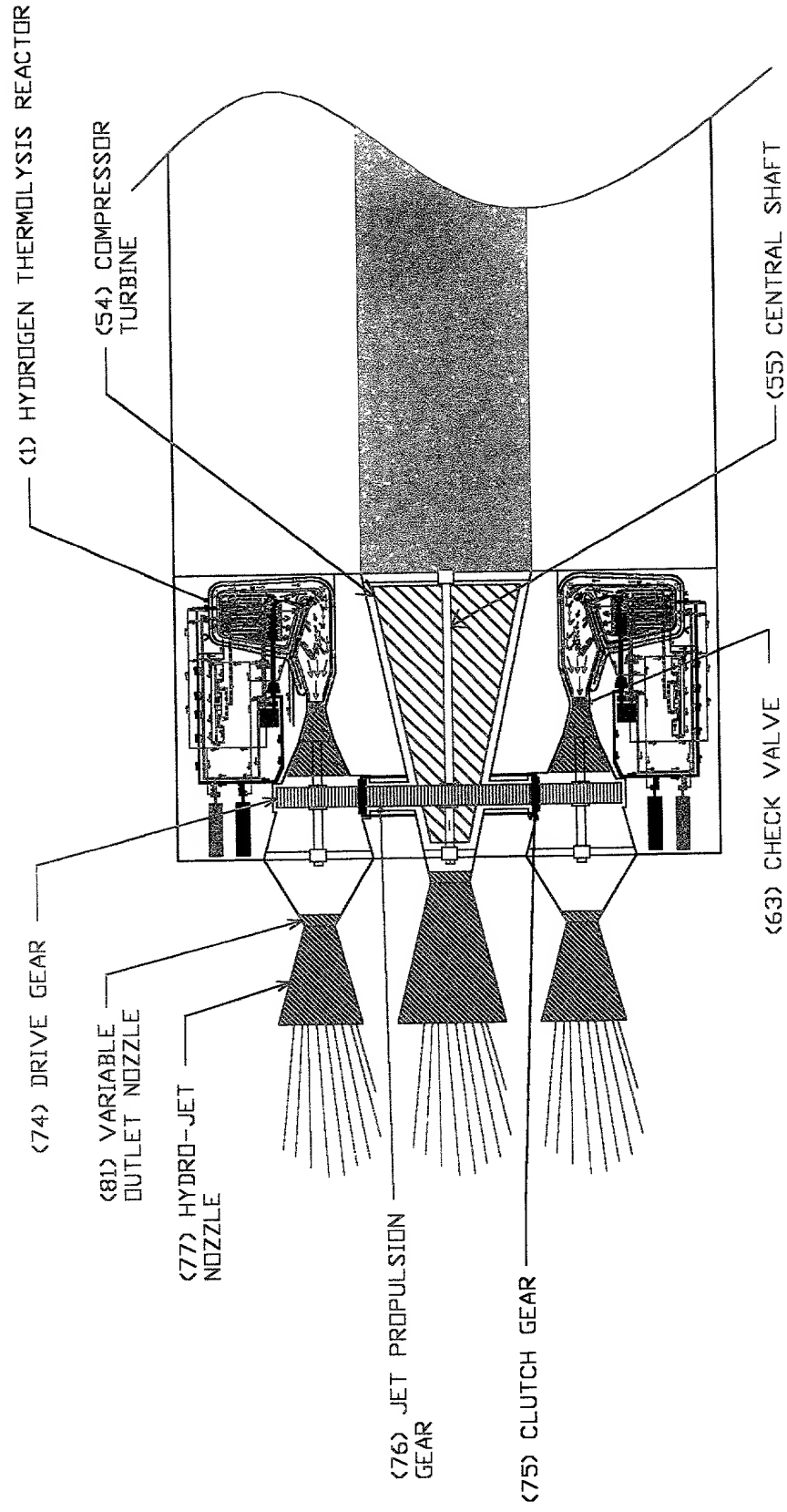


FIGURE 21. MINATURE HYDROGEN THERMOLYSIS DIFFUSER NOZZLE USING MASERS AND LASERS FOR SPARK PLUG REPLACEMENT TO RETROFIT COMBUSTION ENGINES

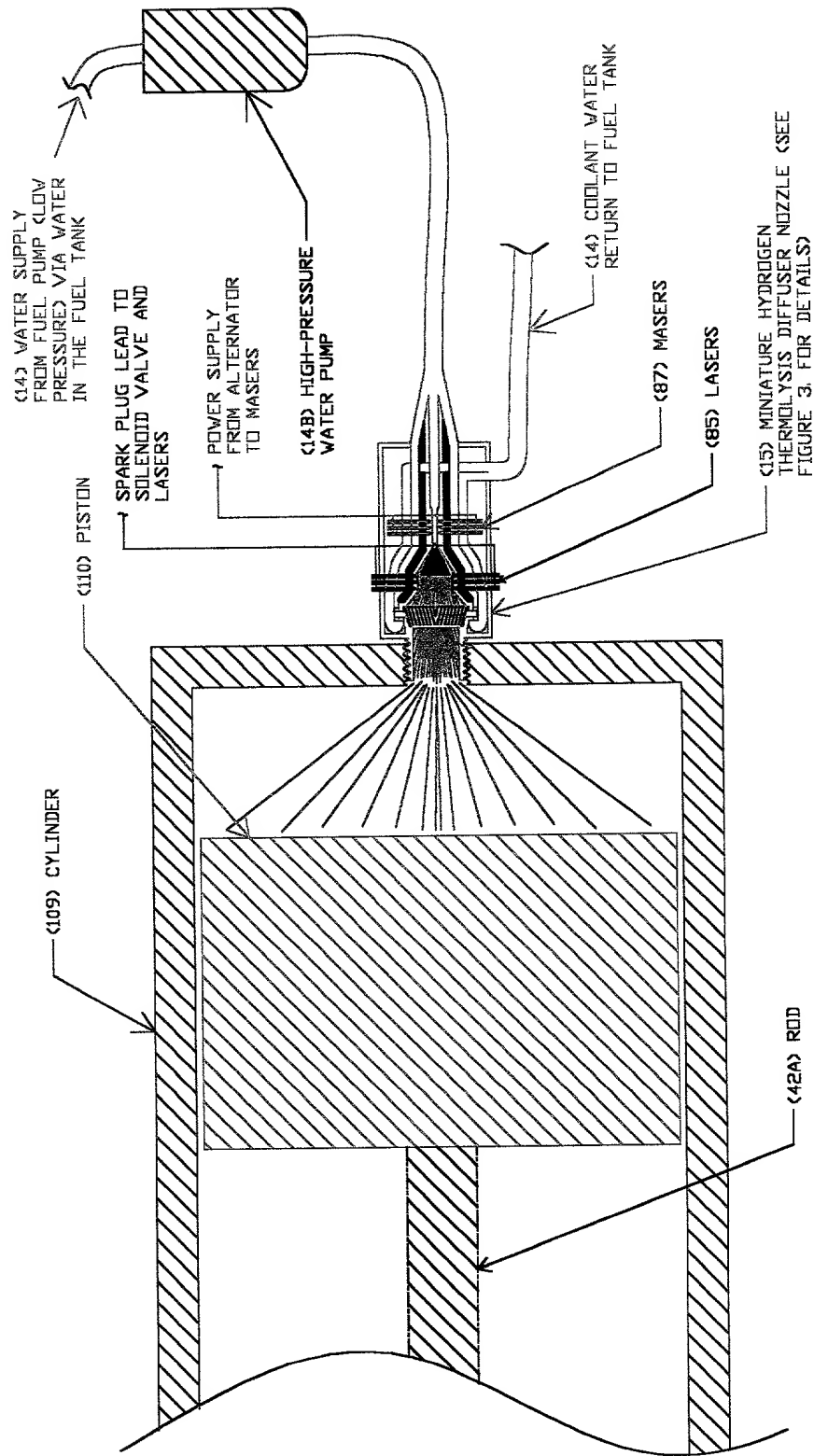






FIGURE 23. HYDROGEN AND OXYGEN PRODUCTION  
NOZZLE POWERED HYDROGEN/OXYGEN BATTERY

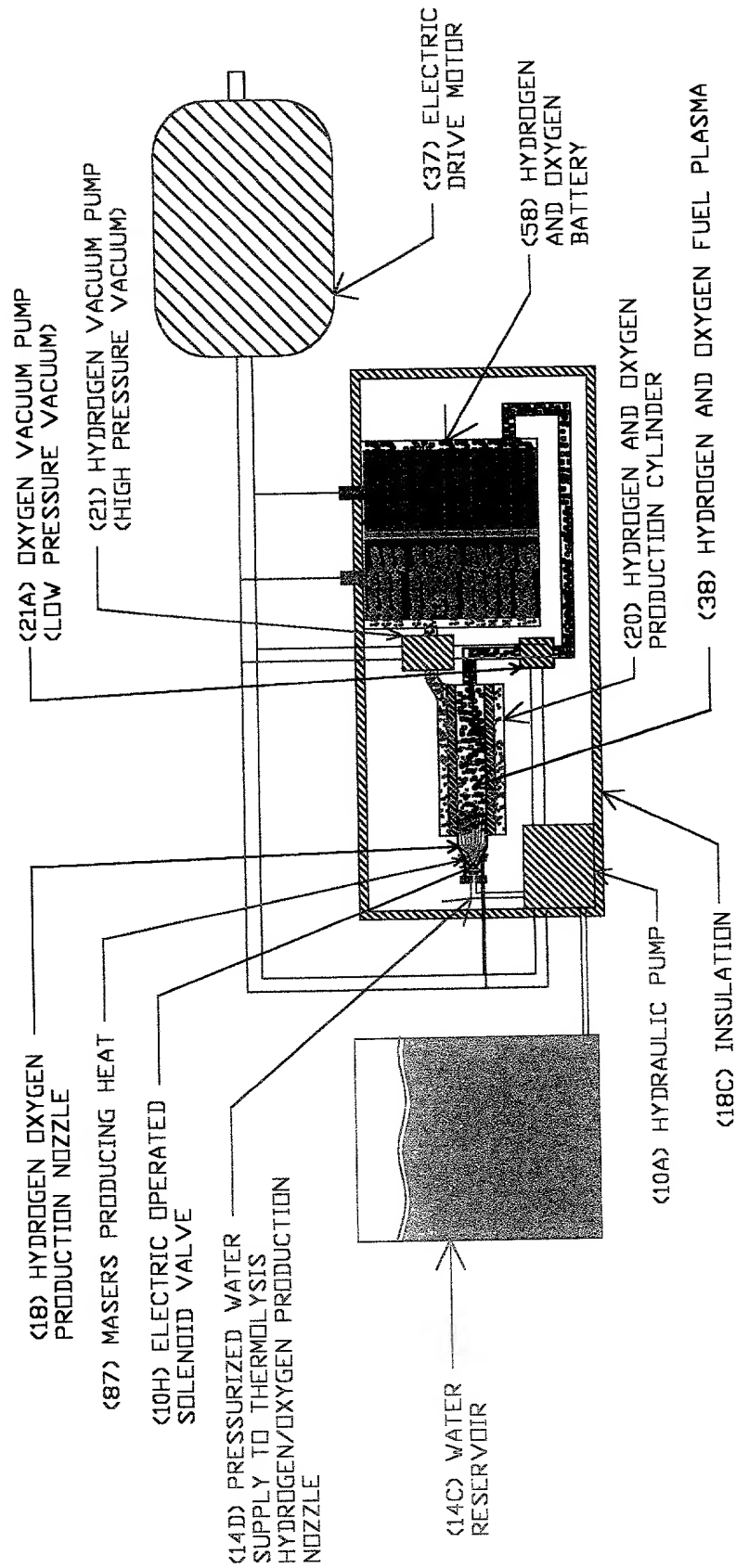
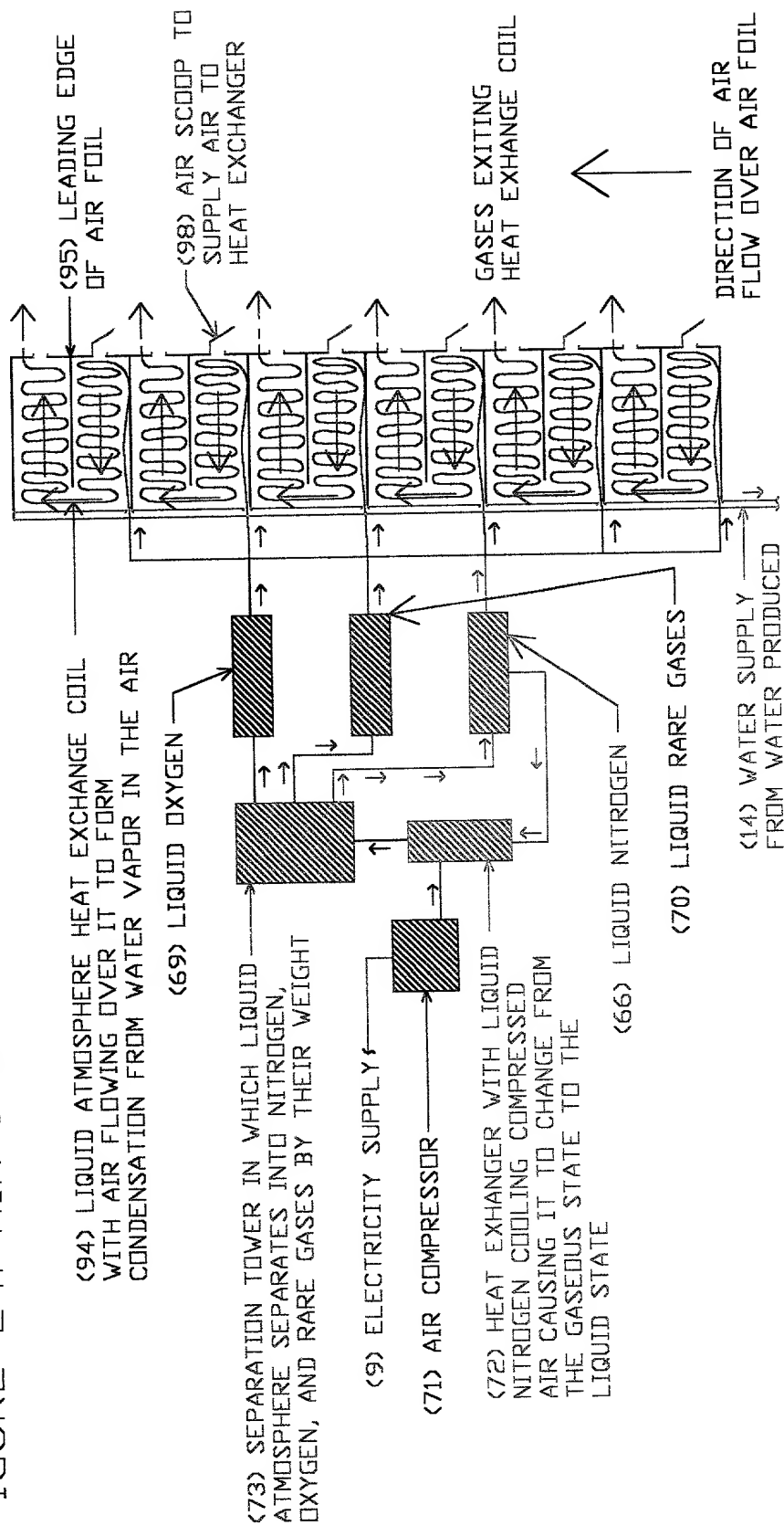


FIGURE 24. AIR LIQUIDIFICATION AND REFRIGERATION SYSTEM



1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100.

# FIGURE 25. JET PROPULSION ENGINE POWERED PERSONAL TRANSPORT VEHICLE

